



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Christopher P. Hondl et al. Art Unit : 2621
Serial No. : 09/880,085 Examiner : Unknown
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Title : DATA COMPRESSION SYSTEM AND TECHNIQUE

Attention: Official Draftsman
Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed six (6) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 17, 2001

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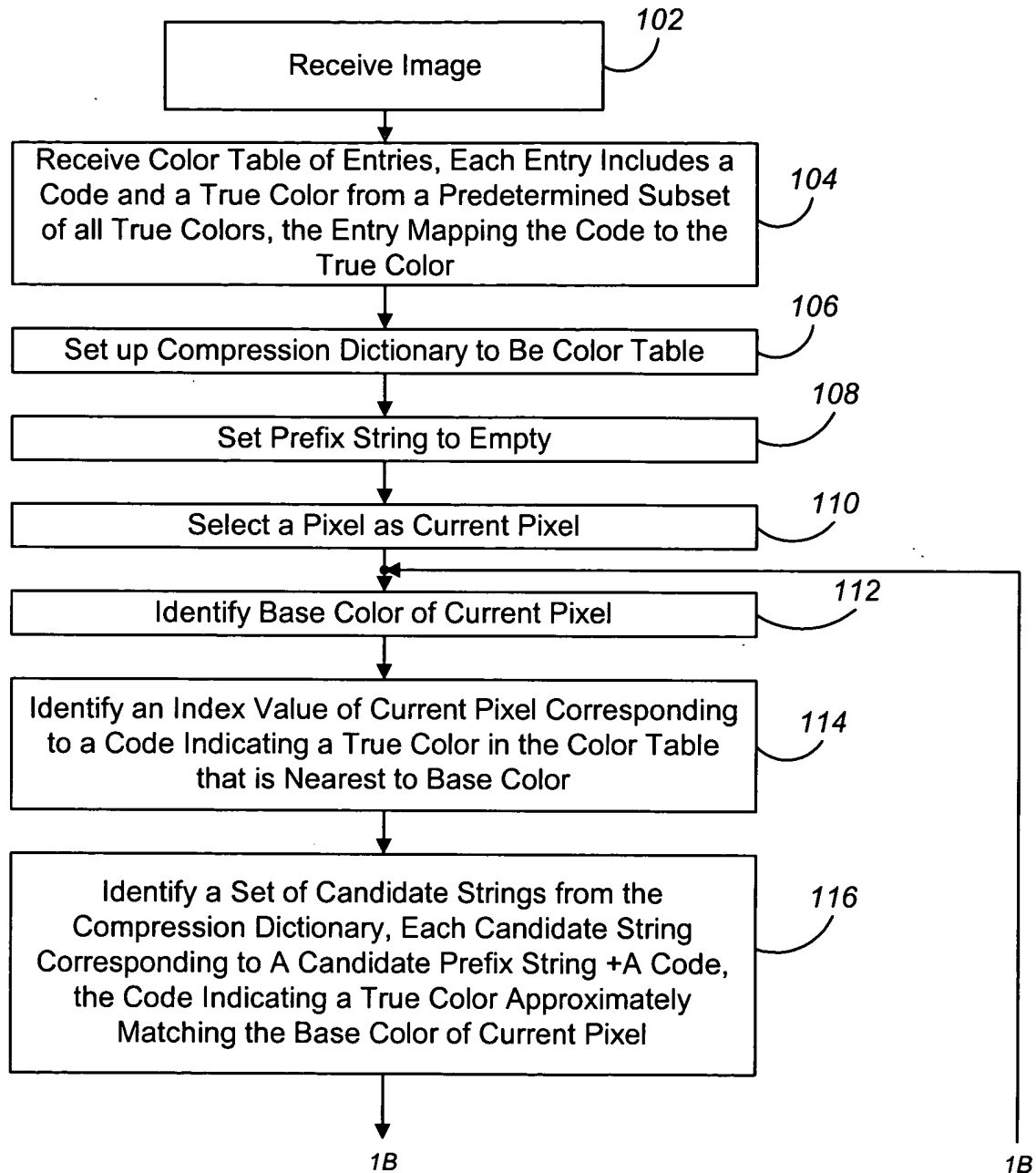
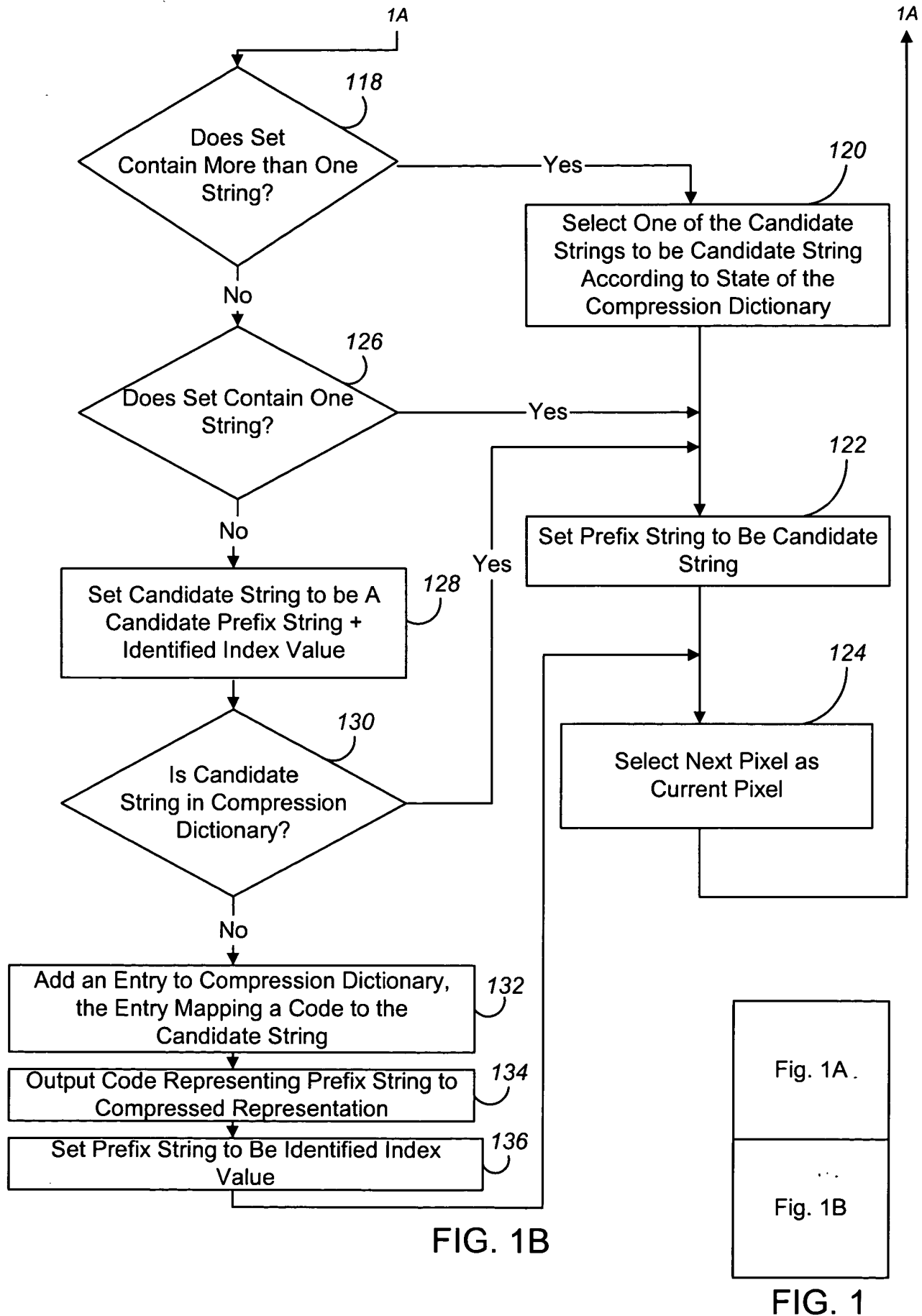


FIG. 1A



200

| Color-Lookup Table | |
|--------------------|-------------------|
| Index (i) | True Color |
| 0 | (X_0, Y_0, Z_0) |
| 1 | (X_1, Y_1, Z_1) |
| 2 | (X_2, Y_2, Z_2) |
| ⋮ | ⋮ |
| N | (X_N, Y_N, Z_N) |

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FIG. 2

300

| Compression Dictionary | |
|------------------------|-----------------------------------|
| 302 Code (j) | 304 String |
| 0 | $[(X_0, Y_0, Z_0)] = 0$ |
| 1 | $[(X_1, Y_1, Z_1)] = 1$ |
| 2 | $[(X_2, Y_2, Z_2)] = 2$ |
| . | . |
| . | . |
| . | . |
| N | $[(X_N, Y_N, Z_N)] = N$ |
| N+1 | $[(TC_1), (TC_2), \dots] = N+1$ |
| N+2 | $[(TC_1), (TC_2), \dots] = N+2$ |
| . | . |
| . | . |
| . | . |
| . | . |
| N + M | $[(TC_1), (TC_2), \dots] = N + M$ |

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TC_K is an element of
 the set of True color
 codes in the color-
 lookup table 200

FIG. 3

400

| Sample Compression Dictionary | |
|-------------------------------|---------------------------|
| Code | String |
| 0 | $[(0, 0, 0)] = 0$ |
| 1 | $[(5, 0, 0)] = 1$ |
| 2 | $[(10, 0, 0)] = 2$ |
| . | . |
| . | . |
| . | . |
| 72 | $[(250, 75, 75)] = 72$ |
| . | . |
| . | . |
| 213 | $[(64, 267, 84)] = 213$ |
| . | . |
| . | . |
| N | $[(255, 255, 255)] = 255$ |
| . | . |
| . | . |
| 456 | $[72, 213]$ |
| . | . |
| . | . |
| N+M | $[6, 7, 192, 151]$ |

FIG. 4

*Kernel in which the error value of a pixel is used to adjust a true color of those pixels adjacent and following in sequence that pixel

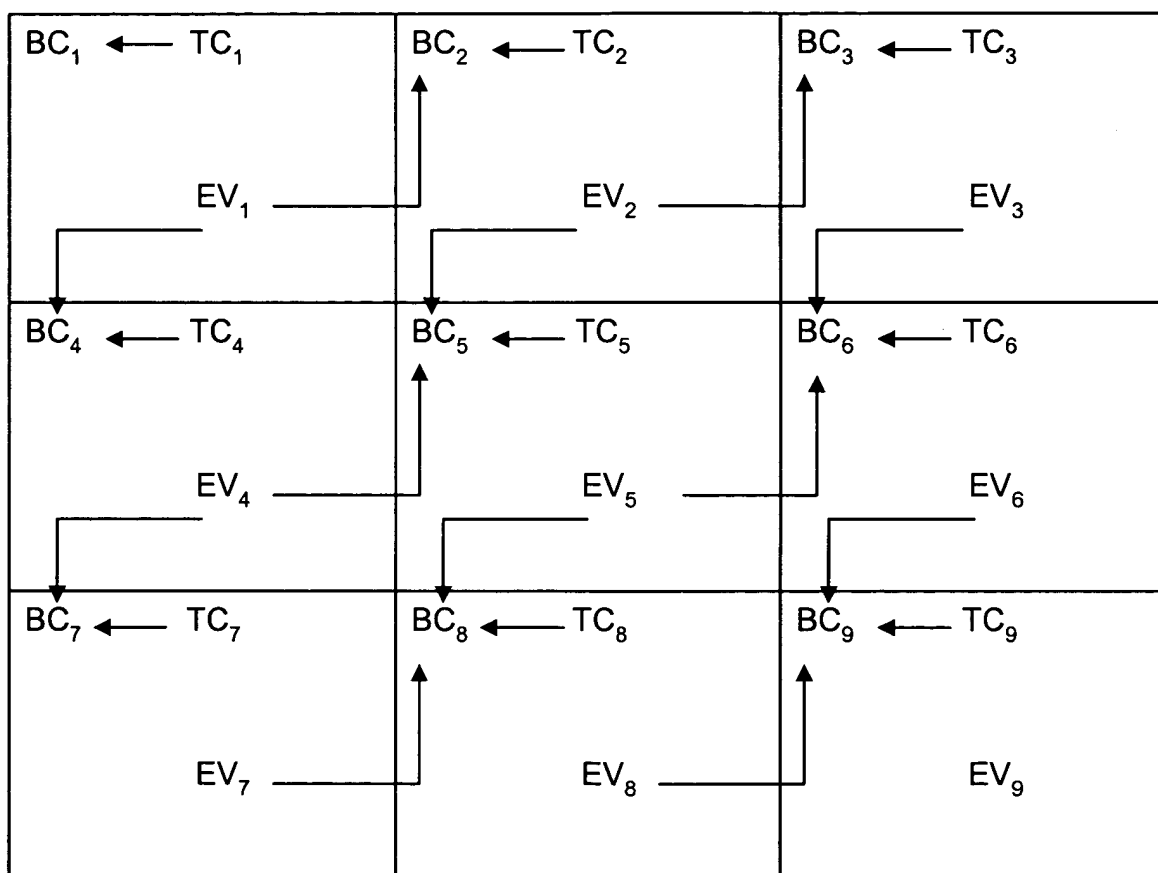


FIG. 5